

## CLAIM

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1. An electrode plate for battery characterized by using a current collector, to the surface of which a boehmite treatment is applied, in at least one of the electrode plate for positive electrode and electrode plate for negative electrode.
2. A battery using the electrode plate for battery as cited in Claim 1.
3. The electrode plate for battery as cited in Claim 1, wherein the thickness of a thin coating formed on the current collector surface by a boehmite treatment ranges from 0.5  $\mu\text{m}$  to 5  $\mu\text{m}$ .
- 10 4. The battery as cited in Claim 2, wherein the thickness of a thin coating formed on the current collector surface by a boehmite treatment ranges from 0.5  $\mu\text{m}$  to 5  $\mu\text{m}$ .
- 15 5. An electrode plate for battery characterized by using a current collector, to the surface of which a boehmite treatment is applied, in the positive electrode plate.
6. A production method of a positive electrode plate for lithium secondary battery, the method comprising the steps of:  
forming a chrome oxide layer on the surface of a current collector, which is formed of a metallic foil, by applying a chromate treatment thereto;  
20 applying a coating of a paste containing an electrode active material to said current collector; and  
drying the paste.
7. A lithium secondary battery using a positive electrode plate that is produced according to the production method as cited in Claim 6.
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